

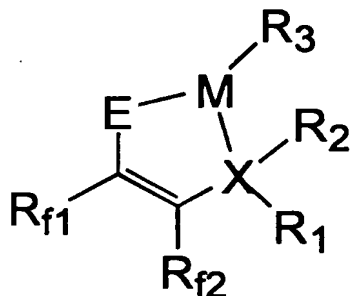
AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

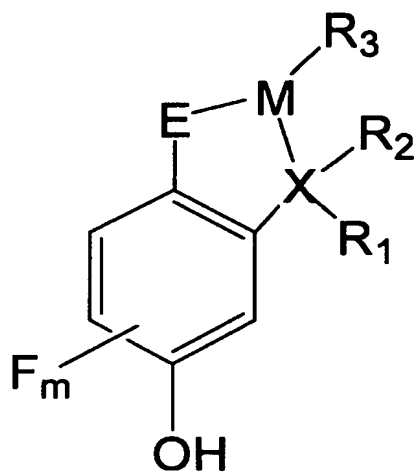
1. (currently amended): An olefin polymerization catalyst represented by general formula (1), (2), or (3):

~~{Chem. 1}~~



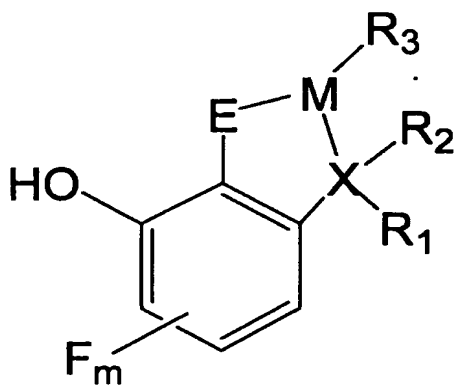
(1)

~~{Chem. 2}~~



(2)

[Chem. 3]



(3)

(wherein M is nickel, palladium, or platinum; E is oxygen or sulfur; X is phosphorus, arsenic, or antimony; R_1 , R_2 , and R_3 are each independently hydrogen or a hydrocarbon group having 1 to

20 carbon atoms; R_{f1} and R_{f2} are each independently a fluorine atom or a fluorohydrocarbon group having 1 to 20 carbon atoms; F is fluorine; and m is 1 to 3).

2. (original): The olefin polymerization catalyst according to claim 1, wherein M is nickel.

3. (currently amended): The olefin polymerization catalyst according to claim 1 ~~or 2~~, wherein E is oxygen, and X is phosphorus.

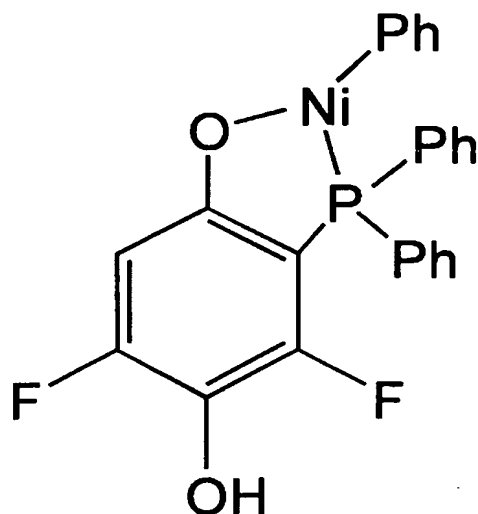
4. (currently amended): The olefin polymerization catalyst according to claim 1 ~~any one of claims 1 to 3~~, wherein R_{f1} and R_{f2} are each a fluorohydrocarbon group having 1 to 20 carbon atoms.

5. (original): The olefin polymerization catalyst according to claim 4, wherein R_{f1} is a trifluoromethyl group, and R_{f2} is a pentafluorophenyl group.

6. (currently amended): The olefin polymerization catalyst according to claim 1 ~~any one of claims 1 to 5~~, wherein R_1 , R_2 , and R_3 are each a phenyl group.

7. (currently amended): The olefin polymerization catalyst according to claim 6, represented by general formula (4):

{~~Chem. 4~~}



(4)

(wherein Ph represents a phenyl group).

8. (currently amended): An olefin polymer prepared using the olefin polymerization catalyst according to claim 1 ~~any one of claims 1 to 7~~.

9. (original): The olefin polymer according to claim 8, wherein an olefin monomer is an α -olefin having 10 or less carbon atoms.

10. (currently amended): A method for producing the olefin polymerization catalyst according to claim 1 ~~any one of claims 1 to 7~~.

11. (currently amended): A method for producing the olefin polymer according to claim 8 ~~or 9~~.